

Roland

CHORUS ECHO RE-301

The new RE-301 is the highest so far in the Roland RE series echo chambers. It produces echo effects which range from the large auditoriums or cave-like echoes to long delay echoes such as those produced in the mountains. The reverb effect gives life and depth to your sound. The chorus effect changes your solo into a group or choral-like sound. All of these effects can be mixed and controlled freely in any manner desired for full creative freedom.



CHORUS:

The RE-301 employs a BBD generated chorus effect to make solos sound like duets or groups, or an ordinary guitar sound like a twelve string guitar. The effect is especially enhanced when used in conjunction with the SINGLE DELAY effect which produces a slight modulation in the tape drive circuits thus adding to the effect and broadening the sound, but without echo, which usually smothers the chorus effect. The RE-301 employs a BBD delay line for the production of chorus effects. This effect can be multiplied by using it in conjunction with the single delay echo effect.

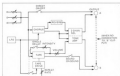
CHORUS ECHO RE-301

Features

Sound-on-sound

Recorded sound can be replayed once after a 10 to 30-second delay depending on the **REPEAT RATE** control settings. This effect can be initiated by the sound-on-sound switch or manually with a foot switch even when the echo effect is turned on.

As shown in the drawing, the subjects are separated into two channels for a stereoscopic output. Channel 1 contains the stereo, stereo, and direct input, while Channel 2 contains the chorus, tape exchange delay, and sound-on-sound. When the Channel 2 jack is not being used, Channel 2 + 3 appears at the Channel 2 output.



The output **LEVEL** switch allows matching the output to any main amp system for noise and distortion free sound.

Single drive echo

With the **ON/OFF(SINGLE)** switch in the **SINGLE** delay position single echo independent of the **INTENSITY** control is produced.

Direct signal switch

Controls the direct (not affected) signal through the RE-301 when using PA systems.

Jacks for remote switches

Effect, echo, and sound-on-sound can be separately operation with remote switches through these jacks. The **OFF EFFECT** jack can be used for cancelling the effects on the Channel 2 input signal only.

Inputs from the PA system to the RE-301 can be fed into any one of the three inputs, each of which has separate **VOLUME** and **LEVEL** controls.

Three independent input channels with separate volume and input level controls for perfect matching and balancing of input sources such as microphones, organ, electric guitar, rhythm machine, synthesizer, etc.

Others

- * Electronic switching is employed for all effect ON/OFF functions thus eliminating undesirable "boom" caused by disengaging contact in mechanical switches.
- * Solenoid noise reduction system which reduces circuit noise in the chorus, echo, and reverb sections where there are no signals at the inputs to produce an effective overall S/N of +70dB.
- * Remote control for the echo repeat rate using the PV-2 Effect volume control for producing various phenomena as pitch modulation of the echo.
- * Peak level indicator which shows output peaks which the VU meter cannot catch.
- * Long life, free running tape for maintenance free operation.



Specifications

Input	3 channels
Input impedance	VU meter and peak level indicator (50k)
	1x 50k with input selector at -50dB
	Chorus/Echo: -50dB/-50dB/-50dB
Input level	2 channels or 1 channel
Output	Chorus/Echo: -50dB/-50dB/-50dB
Output level	-50dB (with an input VU meter) at maximum, all effects ON, and all effects VOLUME controls at maximum after noise reduction circuit is working
Effects	Chorus
	8 Hz - 20 kHz indicator
	ON/OFF switch with optional remote control
	INTENSITY control

Rate	Effect ON indicator
	ON/OFF switch with optional remote control
	50/100 control, with 5 modes
	VOLUME control
	INTENSITY control
	REPEAT RATE control with optional remote control
	Sound-on-sound ON/OFF switch with optional remote control
	SINGLE DELAY (SINGLE) switch
	VOLUME control
	BASS, TREBLE (Controls effects sound only)
Power requirements	
	110V/220V
	Power consumption
	Power requirements

hergestellt von

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Roland Corporation